

**What is claimed is:**

**[Claim 1]** 1. A method for managing a lamp brightness, suitable for use in a displaying apparatus using a lamp to produce an image, the method comprising:

setting a selection item corresponding to a mode, the mode being one of a first mode and a second mode, wherein a brightness of the lamp at the first mode is different from the brightness at the second mode;

searching a specific signal;

setting the lamp to the first mode when the specific signal exists and the selection item corresponds to the first mode;

setting the lamp to the second mode when the specific signal exists and the selection item corresponds to the second mode; and

setting the lamp to the second mode when the specific signal does not exist.

**[Claim 2]** 2. The method of claim 1, wherein the specific signal is a display signal.

**[Claim 3]** 3. The method of claim 2, wherein the displaying apparatus is at one of a displaying state, a searching state, a no-signal state, and a video mute state.

**[Claim 4]** 4. The method of claim 3, wherein the displaying apparatus is at the displaying state when the specific signal exists.

**[Claim 5]** 5. The method of claim 3, wherein the displaying apparatus is at one of the searching state, the no-signal state, and the video mute state when the specific signal does not exist.

**[Claim 6]** 6. The method of claim 1, wherein the brightness of the lamp at the second mode is lower than the brightness at the first mode.

**[Claim 7]** 7. The method of claim 6, wherein the brightness of the lamp at the second mode is 80% of the brightness at the first mode.

**[Claim 8]** 8. A method for managing a lamp brightness, suitable for use in a displaying apparatus using a lamp to produce an image, the method comprising:

searching a specific signal;  
setting the lamp to a first mode when the specific signal does exist; and  
setting the lamp to a second mode when the specific signal does not exist,

wherein the brightness of the lamp at the first mode is different from the brightness at the second mode.

**[Claim 9]** 9. The method of claim 8, wherein the specific signal is a display signal.

**[Claim 10]** 10. The method of claim 9, wherein the displaying apparatus is at one of a displaying state, a searching state, a no-signal state, and a video mute state.

**[Claim 11]** 11. The method of claim 10, wherein the displaying apparatus is at the displaying state when the specific signal exists.

**[Claim 12]** 12. The method of claim 10, wherein the displaying apparatus is at one of the searching state, the no-signal state, and the video mute state when the specific signal does not exist.

**[Claim 13]** 13. The method of claim 8, wherein the brightness of the lamp at the second mode is lower than the brightness at the first mode.

**[Claim 14]** 14. The method of claim 13, wherein the brightness of the lamp at the second mode is 80% of the brightness at the first mode.